Module 2

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# This is a level 1 header

## R Markdown

### This is a level 3 header

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

Here is the link to [GOOGLE](http://google.com)

Here is the word in **bold** and another word in **bold**

Here is the word in *italic* and another word in *italic*

When we compile our document, we are using the rmarkdown package.

Here are some example R commands:

2+2  
mean(c(1,2,3,4,5))

Here is an example of a non-numbered list:

* Breakfast
  + food
    - eggs
    - toast
    - bacon
  + drink
    - apple juice
* Lunch
  + taco
* Diner
  + baked chicken
  + broccoli
  + rice

Here is an example of a numbered list:

1. Breakfast
   1. food
      1. eggs
      2. toast
      3. bacon
   2. drink
      1. apple juice
2. Lunch
   1. taco
3. Diner
   1. baked chicken
   2. broccoli
   3. rice

Here is an example of blockquote:

This is a blockquote. This paragraph has two lines.

1. This is the list inside a blockquote
2. Second item.

Here is an example of a nested blockquote

This is a blockquote. This paragraph has two lines.

1. This is the list inside a blockquote

Here is an example of code in a blockquote:

2+2  
mean(c(1,2,3,4,5))

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

summary(cars)

## speed dist   
## Min. : 4.0 Min. : 2.00   
## 1st Qu.:12.0 1st Qu.: 26.00   
## Median :15.0 Median : 36.00   
## Mean :15.4 Mean : 42.98   
## 3rd Qu.:19.0 3rd Qu.: 56.00   
## Max. :25.0 Max. :120.00

## Including Plots

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.



## Insert a table

knitr::kable(head(cars),caption="6 rows of pressure dataset")

6 rows of pressure dataset

|  |  |
| --- | --- |
| speed | dist |
| 4 | 2 |
| 4 | 10 |
| 7 | 4 |
| 7 | 22 |
| 8 | 16 |
| 9 | 10 |

## Insert an equation

## Insert an image

Here is an image inserted



sunstar

## Insert an Animated GIF image



sunstar

![sunstar](data:video/mp4;base64,)

sunstar

## Insert test with some footnotes

Here is the footnote reference [[1]](#footnote-37) and another [[2]](#footnote-38)

Here is an inline footnote [[3]](#footnote-39)

1. Here is the footnote [↑](#footnote-ref-37)
2. Here one with multiple blocks [↑](#footnote-ref-38)
3. Inline notes are easier to write, since you don’t have to pick an identifier and move down to type the note [↑](#footnote-ref-39)